

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-188714

(43)Date of publication of application : 21.07.1998

(51)Int.Cl.

H01H 9/18

G09F 13/00

H01H 13/02

(21)Application number : 08-344742

(71)Applicant : IG TECH RES INC

(22)Date of filing : 25.12.1996

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## (54) SWITCH

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a switch easy to find and operate by arranging a surface light-emitting body consuming less power on the surface of at least a part of a frame body to illuminate a large area.

**SOLUTION:** A frame body C surrounds a button D, and in the surface of at least a part thereof luminescent body E is buried to have an integrated formation. The luminescent body E is in a thin film surface shape for making optical radiation while sparing electric power, and by being arranged on the entire surface of the frame body C to make optical radiation, the presence of a switch A is emphasized and also an operator can easily grasp the feeling on a distance owing to optical radiation on a plane surface. The luminescent body E senses, by means of a sensor, etc., environmental darkness taking place at the time of door opening in a chamber or person approaching in the vicinity, and makes optical radiation. The luminescent body E eliminates its lighting during a period of brightness, when an indoor electric bulb is lighted, when there is no person in the vicinity or in a midnight. Electro-luminescence is used for the luminescent body E, and for instance, an anode, an organic compound film are formed on the substrate made of non alkaline glass, and poly-urea protective film is formed on an anode so as to be used.

